

**MedEngage: Uniting Clinicians and Engineers for Biomedical Innovation
(MedEngage: UCEBI – 2026)**

Final Schedule

Date: 18th - 19th February 2026

DAY 1

Time	Talk	Speaker	Topic	Venue
09:00 AM- 10:00 AM	Registration			HALL I
10:00 AM - 11:00 AM	Inauguration Ceremony			HALL I
11:00 AM - 11:15 AM	High Tea			
11:15 AM - 12:00 PM	Plenary Lecture I	Prof. S. Kanagaraj (<i>IIT Guwahati</i>)	Biodesign: Innovation in Medical device by Engineers and Clinicians	HALL I
12:00 PM – 12:30 PM	Lab Visit: Oral Health Museum and Tobacco Cessation Center			

18th February 2026 Session 1 – I (Chair: Prof. S. Kanagaraj, Co-Chair: Dr. Khundrakpam Nimo Singh)

12:30 PM - 01:10 PM	Keynote I	Dr. Thoudam Debraj Singh (<i>AIIMS Delhi</i>)	Avenues for novel biomarkers and drug discoveries for targeted cancer therapy	HALL I
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18th February 2026 Session 1 – II (Chair: Dr. Sankaranarayanan Nagarajan, Co-Chair: Dr. Maibam Bindya Devi)

12:30 PM - 01:10 PM	Keynote II	Dr. Chandra Prakash Prasad (<i>AIIMS Delhi</i>)	Novel Approaches to Disrupt Untargetable Beta-Catenin in Breast Cancer	HALL II
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01:10 PM - 02:00 PM

Lunch Break

18th February 2026 (Session 2-I) (Chair: Dr. Thoudam Debraj Singh, Co-Chair: Dr. Babina Chirom)

02:00 PM - 02:20 PM	Invited Talk I	Dr. Wairokpam Bhoomika Devi (<i>Dental Collage, RIMS-Imphal</i>)	Engineering the Tooth of Tomorrow: Biomedical Advances Transforming Dental Practice	HALL I
02:20 PM -02:40 PM	Invited Talk II	Dr. Ch. Banikanta Sharma (<i>JNIMS, Imphal</i>)	Orthopaedic and Joint Replacements	HALL I
02:40 PM - 03:00 PM	Invited Talk III	Dr. Y. Ravi Kumar (<i>NIT Warangal</i>)	Design and Development of Patient-Specific implants using Additive Manufacturing	HALL I

18th February 2026 (Session 2-II) (Chair: Dr. Chandra Prakash Prasad, Co-Chair: Dr. Dinachandra Moirangthem)

02:00 PM - 02:20 PM	Invited Talk IV	Dr. Gonmei (<i>JNIMS, Imphal</i>)	Applications of 3Dprinting in orthopedics	HALL II
02:20 PM -02:40 PM	Invited Talk V	Dr. Pramod Kumar Jalle (<i>Lyny Multi –Specialty Dental and Implant Center, Hyderabad</i>)	Recent trends in Optomechanical Engineering	HALL II
02:40 PM - 03:00 PM	Invited Talk VI	Dr. Murahari Kolli (<i>Lakireddy Bali Reddy College of Engineering, Andhra Pradesh</i>)	Experimental study on hybrid magnesium nano composites through stir casting process for biomedical applications	HALL II

03:00 PM - 04:00 PM	Panel Discussion (Chair: Dr. Akoijam Joy Singh (<i>RIMS Imphal</i>), Convenor: Dr. Anand Rajapur (<i>Dental College RIMS Imphal</i>) Coordinator: Dr. Anil Kumar Birru (<i>NIT Manipur</i>))	Hall I
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04:15 PM – 05:30 PM	Oral Presentation (Chair: Dr. Arunoday Kumar, Co-Chair: Dr. Kshetrimayum Martina)			Track 01
	OP 1	S Dhanabir Singh	Design of mouth guard fabrication by FDM	HALL I
	OP 2	Stephen Bariam	The Changing Trends in Medical Jurisprudence	HALL I
	OP 3	Dr. Diana Laishram	Real-Time Medical Health Data Visualization and Monitoring Using IoT-Based Integrated System.	HALL I
	OP 4	Syam Babu Bokka	Ergonomic Assessment And Artificial Intelligence In Public Health: Lifestyle Changes In Sleep, Food Culture, Hobbies, And Micro-Exercise To Enhance Quality Of Life Across Demographics	HALL I
	OP 5	Shovangi Dey	Carica papaya Leaf Extract-mediated Biosynthesis of Copper Oxide Nanoparticles: In Vitro Characterizations and Its Biomedical Applications	HALL I
	OP 6	K Saseess, Chokkapu Thanushka	Additive Manufacturing Of A 3d Printed Spinal Bone Model For Anatomical Visualization And Customized Medical Prototyping	
04:15 PM – 05:30 PM	Oral Presentation (Chair: Dr. Benjamin A Shimray, Co-Chair: Dr. Laleena Rajkumari)			Track 02
	OP 7	Margaret Hmangte	Classroom Settings for Hearing Impairment In School Setup	HALL II
	OP 8	Savera Chothe	A Quasi-Experimental Study on the Effectiveness of Nurse-Led Motivational Enhancement Therapy in Improving Health-Seeking Behaviour, Readiness for Change, and Treatment Adherence among Alcohol-Dependent In-patients at a De-addiction Ward, Imphal	HALL II
	OP 9	Joy Narayan Chakraborty	Designing a Prostatic Implant for benign prostatic hyperplasia (BPH)	HALL II
	OP 10	Gosula Suresh	CarioGraphNet: Graph-Based Deep Learning for Context-Aware Dental cavity Detection	HALL II
	OP 11	Petta Avinash	PHA-Based Natural Composites in Biomedical Applications: An Overview	HALL II

	OP 12	Abhishek Kumar	Mechanical and Wear Performance of Bamboo Stem Ash Reinforced A356 Aluminum Composites for Potential Biomedical Applications	HALL II
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04:00 PM – 04:15 PM	Poster Session (Chair: Dr. Nagarajan. S, Co-Chair: Dr. Jenny Atom)			Track 03
	PP 1	Mr.Diamond Takhellambam, Mr. Bharjeet Thokchom, Mr. Kangjam Jayson, Mr. Kangjam Dutta	Telemedicine and remote patient monitoring	
	PP 2	Mr.R.K. Jiranjit Singh Mr.Haobam Nelson Singh Mr.Bekey Ahongshangbam, Mr.Khumukcham Dhakeshar	Enthomedicinal Uses of Cynadon dactylon By The Meitei Community in Manipur	
	PP 3	Dr.Sharubam Victoria Devi Ms.Ahongshangbam Linthoi Devi Ms.Sorokhaibam Silky Devi, Ms.Pipa Toshingdar Dangsa	Pharmacognostic studies and Ethnomedicinal uses of Eryngium foetidum Linn	
	PP 4	Mrs.Bhavya kondaveeti Mr.Seram Honey Meitei Mr.Oinam Ramesh Singh Ms.S Shoveine Precila	From Processed to Traditional Foods: Food Culture as a Tool for Preventive Medicine	
	PP 5	Mrs.Yumnam Thoibi Chanu Mr.Risem Awungshi Mr.Thuandailung Kamei Mr.Laishram Priyojit Ms.Jaengthailiu Panmei	A study on tobacco cessation	
	PP 6	Mr.Khulpuwa Komaning Maring Mr.Makanmi Ronra Shimray, Mr.Th. Saktisen Meitei, Ms.Cynthia Kasar Mr.Ningthoukhongjam Indra Kumar	Pharmacoeconomics	
	PP 7	Mr.Khazeo Lajeo Mr.Yendrembam Vishal Nanda Student	Mobile Vaccination Model for Internally Displaced People (IDP) in Manipur	

		Mr.Thounaojam Roshan Singh Mr.Amar Langpoklakpam		
	PP 8	Ms.Vahiinai Pouhaina	Pharmacognostic Assessment and Nutraceutical Potential of <i>Perilla frutescens</i> (L.) Britton seed in the Human Diet	

***** END OF DAY 1 *****

DAY 2				
Time		Speaker	Topic	Venue
09:00 AM - 09:45 AM	Plenary Lecture II	Dr. B. Praveen Reddy (Professor and Principal, Dental collage, RIMS-Imphal)	Uniting Maxillofacial surgeons &Engineers for patient care	HALL I
09:45 AM – 10:30 AM	Plenary Lecture III	Prof. Amit Roy Chowdhury (Indian Institute of Engineering Science and Technology, Shibpur)	Development of Biomaterial in dental applications	HALL I
10:30 AM – 11:00 AM	High Tea			

19 th February 2026 (Session 3-I) (Chair: Prof. Rajesh Kumar Bushan, Co-Chair: Dr. Haripriya Nongthombam)				
11:00 AM - 11:30 AM	Invited Talk VII	Prof. Dr. Anand Rajapur (RIMS Dental College, Imphal)	Beyond traditional methods: CAD/CAM in Modern Dentistry	HALL I
11:30 AM - 12:00 PM	Invited Talk VIII	Dr. Amandeep Kaur (PGIMER Chandigarh Satellite Center)	From Imaging to Innovation: Integrating AI, Finite Element Analysis and 3D Printing in Dentistry	HALL I

19 th February 2026 (Session 3-II) (Chair: Dr. Jackson, Co – Chair: Dr. Khumanthem Savana)				
11:00 AM - 11:30 AM	Invited Talk IX	Dr. Nagarajan. S (NIT Manipur)	Advanced Biomaterials and Nanomaterials in Catalysis: Recent Advances, Case Studies, and Therapeutic Applications	HALL II
11:30 AM - 12:00 PM	Invited Talk X	Dr. D. Benny Karunakar (IIT Roorkee)	Manufacturing Science, FEM in Manufacturing, CAD/CAM, Nano-composites	HALL II

19 th February 2026 (Session 3-III) (Chair: Dr. S. Surendra Singh, Co-Chair: Dr. Ashwini Manchalwar)				
11:00 PM - 11:30 PM	Invited Talk XI	Prof. A.Thirugnanam (NIT Rourkela)	Severe Plastic Deformation: A Pathway to Superior Bioactive Titanium Alloys for Medical Implants	HALL III
11:30 PM - 12:00 PM	Invited Talk XII	Dr. Anilkumar Adimulapu (School of Pharmacy, The Assam Kaziranga University Koraikhowa, NH-37, Jorhat)	A Biomedical engineering approach to developing an Acemannan-infused Honey drug delivery system for paediatric immune system	HALL III

12:00 PM – 12:30 PM	Invited Talk XIII	Dr. Nitai Debnate (<i>Dental College RIMS Imphal</i>)	Dental Ceramics and its Recants Advances	HALL III
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12:00 PM – 01:00 PM	Oral Presentation (Chair: Dr. Chandi charan Malakar, Co-Chair: Dr Khundrakpam Nimo Singh)			Track 04
	OP 11	Krishna Ravali	Cleaner Biodiesel Fuel Blends for Reducing Engine Emissions and Public Health Risks	HALL I
	OP 12	Ashutosh Swain	Effect of addition of chitosan to hydroxyapatite/nanocellulose/sodium alginate biocomposite	HALL I
	OP 13	Dr. K. Balakrishna Reddy	Observations of Biped Kinematics Through Musculoskeletal Modelling and Structural Analysis of 3D Printed Ankle–Foot Orthosis	HALL I
	OP 14	S KRISHNAVENI	Advancing Brain Tumor Diagnosis: A Convolutional Neural Network Framework for MRI Segmentation	HALL I
	OP 15	Sai Koushik Gannamraju	IoT-Based Intelligent Infection-Control System for Smart Hospital Environments	HALL I
12:00 PM – 01:00 PM	Oral Presentation (Chair: Dr. Nagesh Ch, Co-Chair: Mrs. Bhavya Kindaveeti)			Track 05
	OP 16	Ajeesh M Kurup	Integrated Multiscale Analysis of Mechano-biological Changes in Necrotic and Healthy Bone Zone	HALL II
	OP 17	Sai Koushik Gannamraju	IoT-Enabled Wearable System for Real-Time Health Monitoring and Assistive Patient Communication	HALL II
	OP 18	Diamond Takhellambam, Kangjam Dutta, Kangjam Jayson, Bharjeet Thokchom	Telemedicine and remote patient monitoring	HALL II
	OP 19	Haobam Nelson Singh , Bekey Ahongshangbam, Khumukcham Dhakeshar	Enthomedicinal Uses of Cynadon dactylon By The Meitei Community in Manipur	HALL II
	OP 20	Sharubam Victoria Devi, Ahongshangbam Linthoi Devi, Sorokhaibam Silky Devi, Pipa Toshingdar Dangsa	Pharmacognostic studies and Ethnomedicinal uses of Eryngium foetidum Linn	HALL II

01:00 PM – 02:00 PM	Lunch			
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19th February 2026 (Session 4 - I) (Chair: Dr. Laishram Bijaya Devi, Co – Chair: Dr. Kangjam Gunadhar Singh)

02:00 PM - 02:30 PM	Invited Talk XIII	Dr. Arijit Chkraborty <i>(National Sports University, Imphal)</i>	Synergistic Effects of Low Energy Availability, REDs Risk, and Chronotype-Related Sleep Outcomes in Adolescent Thang-Ta Athletes of Manipur	HALL I
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19th February 2026 (Session 4 - II) (Chair: Dr. Sharubam Victoria Devi, Co- Chair: Dr. Ashwini Manchalwar)

02:00 PM - 02:30 PM	Invited Talk XIV	Dr. Ningombam Amitrasen Singh <i>(National Sports University, Imphal)</i>	Physical Literacy	HALL II
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19th February 2026 (Session 4 - III) (Chair: Dr. Raj Kumar Singh, Co- Chair: Dr. Konthoujam Somorjit Singh)

02:00 PM - 02:30 PM	Invited Talk XV	Dr. Nagesh CH (IIT Manipur)	MEMS and SAW Devices for Biomedical Applications	HALL III
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02:30 PM – 03:30 PM	Oral Presentation (Chair: Dr. S. Surendra Singh, Co-Chair: Dr. Laleena Rajkumari)			Track 06
	OP 26	N. Ramakrishna	Role of Process Parameters on Mechanical Properties of Copper Surface Composites Fabricated by Friction Stir Processing using diverse methods.	HALL I
	OP 27	Dr. MD Sameer	Experimental Investigation and Taguchi Optimization of CNC Wood Router Parameters for Surface Roughness Control in MDF-Based Healthcare and Biomedical Applications	HALL I
	OP 28	Madhavi Maheshwaram	Investigation of Electrode Coating Influence on Micro-Hole Machining and Recast Layer Characteristics in Micro-EDM	HALL I
	OP 29	Sharungbam Deepti Mangang, Mrinal Bhowmik	Enhancing Human Thermal Comfort in Biomedical Healthcare Spaces Using Liquid Desiccant-Based Air Treatment Systems	HALL I
	OP 30	Joyjeet Chatterjee	Nature-Derived Antimicrobial Catheters: A Cost-Effect & Sustainable Solutions to CAUTIs	HALL I

02:30 PM – 03:30 PM	Oral Presentation (Chair: Dr. Anand Rajapur, Co-Chair: Dr. Maibam Bindya Devi)			Track 07
	OP 21	Bhavya kondaveeti, Seram Honey Meitei, Oinam Ramesh Singh, S Shoveine Precila	From Processed to Traditional Foods: Food Culture as a Tool for Preventive Medicine	HALL II
	OP 22	Yumnam Thoibi Chanu	A study on tobacco cessation	HALL II
	OP 23	Khulpuwa Komaning Maring, Makanmi Ronra Shimray, Th. Saktisen Meitei,	Pharmacoeconomics	HALL II

		Cynthia Kasar, Ningthoukhongjam Indra Kumar		
	OP 24	Milner Paul V	NORA AI: AI MENTAL HEALTH THERAPIST	HALL II
	OP 25	Amos Thounaojam	Fuzzy Logic-Based Caries Risk Assessment Using Social Determinants	HALL II

03:30 PM - 04:30 PM	Panel Discussion (Chair:Dr. Praveen Reddy (<i>Dental College RIMS Imphal</i>), Convenor: Dr. Arijit Chakraborty (<i>National Sports University Imphal</i>) Coordinator: Dr. S Surendra (<i>NIT Manipur</i>))			Hall I
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4:30 Onwards	Valedictory Session			HALL I
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